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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	09/474,345	12/29/1999	SANJAY DABRAL	42390.P6202	2139
	7590 06/19/2002 SETH Z KALSON BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP 12400 WILSHIRE BOULEVARD SEVENTH FLOOR				
				EXAMINER	
				NORRIS, JE	S, JEREMY C
	LOS ANGELE	S, CA 900251026		ART UNIT	PAPER NUMBER
				2827	

DATE MAILED: 06/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	No.	Applicant(s)					
		09/474,345		DABRAL ET AL.					
	Office Action Summary	Examiner		Art Unit	10				
		Jeremy Nor		2827	Me				
Period fo	The MAILING DATE of this communic r Reply	cation appears on the c	over sheet	with the correspondence addres	S				
THE I - Exter after - If NC - Failu - Any	ORTENED STATUTORY PERIOD FOMAILING DATE OF THIS COMMUNIC asions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communication of the preciod for reply specified above is less than thirty (30 a period for reply is specified above, the maximum state to reply within the set or extended period for reply we reply received by the Office later than three months after a patent term adjustment. See 37 CFR 1.704(b).	CATION.  of 37 CFR 1.136(a). In no event unication.  of an areply within the statuto that year, a reply within the statuto will exply and will exply and will exply by statute cause the application.	, however, may ry minimum of expire SIX (6) M	a reply be timely filed  hirty (30) days will be considered timely.  ONTHS from the mailing date of this commu.  ABANDONED (35 U.S.C. § 133).	nication.				
1)🖂	Responsive to communication(s) file	ed on <u>08 March 2002</u> .							
2a) <u></u> □	This action is <b>FINAL</b> .	2b)⊠ This action is n	on-final.						
3)  Disposit	Since this application is in condition closed in accordance with the pract ion of Claims	for allowance except to the formula for all for al	for formal r a <i>yle</i> , 1935	natters, prosecution as to the m C.D. 11, 453 O.G. 213.	erits is				
	Claim(s) <u>1,2,5,15 and 16</u> is/are pend	ding in the application.							
,,,,	4a) Of the above claim(s) <u>15 and 16</u>		considerati	on.					
5) Claim(s) is/are allowed.									
· ·	Claim(s) <u>1,2 and 5</u> is/are rejected.								
1	Claim(s) is/are objected to.								
1	Claim(s) are subject to restrict	ction and/or election re	quirement.						
1	ion Papers								
	9)☐ The specification is objected to by the Examiner.								
10)⊠	10) $\boxtimes$ The drawing(s) filed on <u>29 December 1999</u> is/are: a) $\square$ accepted or b) $\boxtimes$ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11)	11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.								
	If approved, corrected drawings are required in reply to this Office action.								
12)	The oath or declaration is objected to	by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120									
13)	13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
а	a) All b) Some * c) None of:								
	1. ☐ Certified copies of the priority								
2. Certified copies of the priority documents have been received in Application No									
*	<ul> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
	14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
	a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
	Attachment(s)								
1) No	tice of References Cited (PTO-892) tice of Draftsperson's Patent Drawing Review ( prmation Disclosure Statement(s) (PTO-1449)	PTO-948) Paper No(s)		view Summary (PTO-413) Paper No(s). se of Informal Patent Application (PTO-					

Application/Control Number: 09/474,345

Art Unit: 2827

#### **DETAILED ACTION**

## Drawings

This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

#### Election/Restrictions

Newly submitted claims 15 and 16 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons:

- I. Claims 1, 2, and 5, drawn to a circuit board, classified in class 174, subclass 261.
- II. Claims 15 and 16, drawn to a method of making a circuit board, classified in class 29, subclass 830.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product of the invention of group I does not require the step of propagating on the bus the source synchronous clock signal.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Application/Control Number: 09/474,345

Art Unit: 2827

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 15 and 16 have been withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by US 3,568,129, granted to Gold et al. (hereafter Gold).

Gold discloses, a circuit board having tow side, the circuit board comprising: A substrate (10) having a first array of vias (corresponding to the screws 18 for the station 16a) to connect to a first agent (16a), the first array of vias defining a first set of channels on the substrate, and having a second array of vias (corresponding to the screws 18 for the station 16b), the second array of vias defining a second set of channels on the substrate; and a bus comprising bus traces (12), wherein each bus trace is routed in only one channel belonging to the first set of channels and routed in only one channel belonging to the second set of channels [claim 1], wherein the first and second agents are mounted upon only one of the two sides of the circuit board

Page 4

Application/Control Number: 09/474,345

Art Unit: 2827

[claim 2], wherein the first array of vias are arranged in substantially linear rows and the second array of vias are arranged in substantially linear rows [claim 5].

## Response to Arguments

Applicant's arguments with respect to claims 1, 2, and 5 have been considered but are most in view of the new ground(s) of rejection.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeremy Norris whose telephone number is 703-306-5737. The examiner can normally be reached on Mon.-Th., 9AM - 6:30 PM and alt. Fri. 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Talbott can be reached on 703-305-9883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-7724 for regular communications and 703-305-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

**JCSN** 

June 17, 2002

KAMAND CUNEO PRIMARY EXAMINER